CHIRP

CHIRP is a free, open-source tool for programming frequencies and settings into your amateur radio. It supports a large number of make and models.

It is really easy to use and makes it extremely simple to copy frequencies between different radios (of different makes). Not all radios are supported by CHIRP however, so it's a good idea to make sure CHIRP can program a specific radio before buying it.

See the Radio Programming page to download VA7FI's Chirp list.

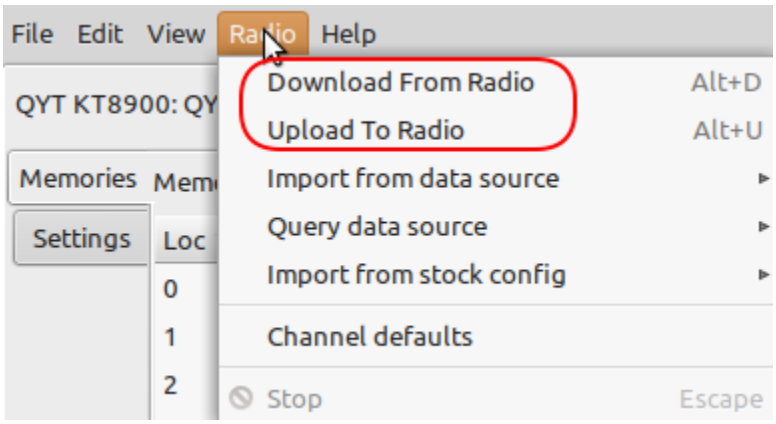
Windows Baofeng Drivers

Baofeng radios can be a bit tricky to program with CHRIP the first time around because of the Windows Driver. If you're trying to use CHIRP on Windows with a Baofeng radio, see this page first.

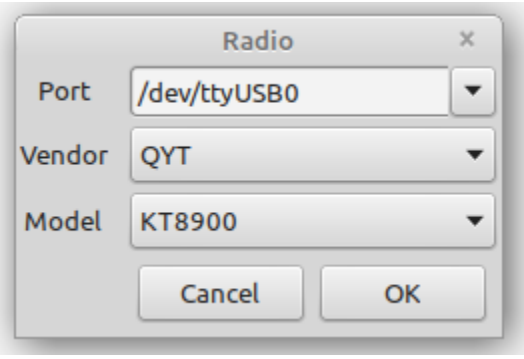
Basics

Now that the appropriate drivers are installed:

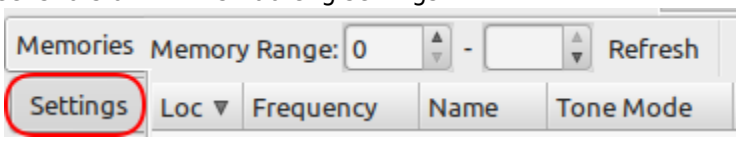
1. Connect your radio to your computer and open CHIRP.
2. Under `Radio`, select `Download From Radio`:



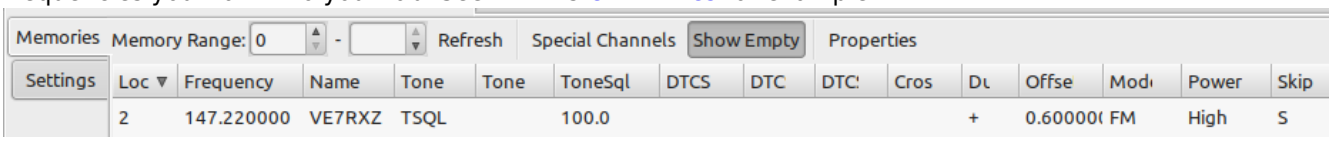
3. Select the right `Port` (which is probably wrong by default), `Vendor` and `Model` and press ok. It's good to download what's already on your radio even if you don't have anything because in addition to frequencies, it also downloads settings specific to your radio.



4. Before you go and program frequencies, have a look at the `Settings` to see if you can configure anything there. See below for screenshots of VA7FI's Baofeng settings:



5. To enter frequencies, you can either type them manually, or copy and paste from another CHIRP file. Never upload someone else's CHIRP file directly though because the radios might have different firmware that can cause issues. It's pretty easy to open a second CHIRP file in a second tab, and copy and paste the frequencies you want into your tab. See VA7FI's CHIRP files for example.



Basic Settings	
Carrier Squelch Level	3
Battery Saver:	1:2
Backlight Timeout:	3
Beep:	Not Enabled
Timeout Timer:	600 sec
Display Mode (A):	Frequency
Display Mode (B):	Name
Standby LED Color:	Orange
RX LED Color:	Purple
TX LED Color:	Orange
Roger Beep:	Not Enabled[1)]
Advanced Settings	
Vox Sensitivity:	OFF
Dual Watch:	Enabled
Dual Watch TX Priority	A
Alarm Mode:	Site
Voice:	Off
Scan Resume:	CO
Busy Channel Lockout:	Not Enabled
Automatic Key Lock:	Not Enabled
Broadcast FM Radio:	Enabled
Squelch Tail Eliminate (HT to HT)	Enabled
Squelch Tail Eliminate (repeater)	5
STE Repeater Delay:	Not Enabled
All Menus:	Enabled
Other Settings	
6+Power-On Message 1:	(Left as default)
6+Power-On Message 2:	(Left as default)
Power-On Message 1:	VA7FI
Power-On Message 2:	(empty)
Power-On Message:	Message
VHF Lower Limit (MHz)	130

Basic Settings	
VHF Upper Limit (MHz)	176
VHF TX Enabled:	Enabled
UHF Lower Limit (MHz)	400
UHF Upper Limit (MHz)	520
UHF TX Enabled:	Enabled
Work Mode Settings	
Display:	A
VFO/MR Mode:	Frequency
Keypad Lock:	Not Enabled
MR A Channel:	2
MR B Channel:	2
VFO A Frequency:	146.565
VFO B Frequency:	446.100
VFO A Shift:	Off
VFO B Shift:	Off
VFO A Offset:	0.6
VFO B Offset:	5.0
VFO A Power:	High
VFO B Power:	High
VFO A Bandwidth:	Wide
VFO B Bandwidth:	Wide
VFO A PTT-ID:	1
VFO B PTT-ID:	1
VFO A Tuning Step:	5.0
VFO B Tuning Step:	5.0
Service Settings	
VHF Squech 0:	0
VHF Squech 1:	12
VHF Squech 2:	24
VHF Squech 3:	36
VHF Squech 4:	48
VHF Squech 5:	60
VHF Squech 6:	72
VHF Squech 7:	84
VHF Squech 8:	96
VHF Squech 9:	108
Same for UHF	

Chirp with Ubuntu

1. I have successfully installed Chirp-Next on Linux Mint without any issues following these instructions.
2. And then added my username to the dialout user to be able to write to the radio:

```
sudo usermod -aG dialout YOURUSERNAME
```

1)

Please, Please, Please, do not enable the roger beep